



16PH

1638

Page 1 of 3

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re application : Per-Åke Nygren, Mathias Uhlén and Olof Nord
Serial No. : 10/031,910
Filed : January 17, 2002
For : IN VITRO SELECTION AND OPTIONAL
IDENTIFICATION OF POLYPEPTIDES
USING SOLID SUPPORT CARRIERS
Examiner :
Attorney Docket : 102360-100
Group Art Unit :
Confirmation No. : 6328

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on 16 MAY 2003

By Todd E. Garabedian
Todd E. Garabedian, Ph.D.
Registration No. 39,197
Attorney for Applicant(s)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.56, the Examiner is respectfully requested to consider the references cited on attached Form PTO-1449. A copy of each reference (if not previously submitted) is enclosed. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- [X] 1. This Information Disclosure Statement is being filed within three months of the U. S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U. S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
 - ☐ a. Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1); and no fee is required under 37 C.F.R. §1.17(p).
 - ☐ b. No item of information cited on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2); and no fee is required under 37 C.F.R. §1.17(p).
 - ☐ Please charge Deposit Account No. 23-1665 in the amount of \$240.00 in payment of the fee under 37 C.F.R. §1.17(p). Two additional copies of this Information Disclosure Statement are enclosed.
 - ☐ A check in the amount of \$240.00 is attached hereto in payment of the fee under 37 C.F.R. §1.17(p).
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered.
 - ☐ a. Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).

- ☐ b. No item of information cited on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
- ☐ Please charge Deposit Account No. 23-1665 in the amount of \$130.00 in payment of the fee under 37 C.F.R. §1.17(i)(1). Two additional copies of this Information Disclosure Statement are enclosed.
- ☐ A check in the amount of \$130.00 is attached hereto in payment of the fee under 37 C.F.R. §1.17(i)(1).

The undersigned represents that the closest art of which he is presently aware has been cited herein and understands that this statement shall not be construed as a representation that no better art exists or that a thorough patentability search has been made.

The undersigned further represents that the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

Respectfully submitted,

PER-ÅKE NYGREN, ET AL.

Date: 16 MAY 2003

By: Todd E. Garabedian

Todd E. Garabedian, Ph.D.
Registration No. 39,197
Attorney for Applicants

WIGGIN & DANA LLP
One Century Tower
New Haven, CT 06508-1832

Telephone : (203) 498-4400
Telecopier: (203) 782-2889

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

ATTY. DOCKET NO. 102360-100

SERIAL NO. 10/031,910

APPLICANT: PER-ÅKE NYGREN, MATHIAS UHLÉN and OLOF NORD

FILING DATE: January 17, 2002

GROUP:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPR.

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No
	WO 99/02671	01/21/99		C12N	15/10	

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

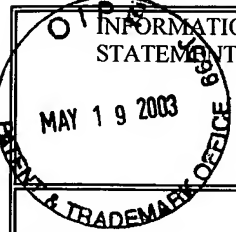
	CLACKSON, T and WELLS, J A: TRENDS IN BIOTECHNOLOGY, Vol. 12, Pages 173-184 (1994)
	SMITH, G P and PETRENKO, V A: AMERICAN CHEMICAL SOCIETY, Vol. 97, Pages 391-410 (1997)
	MATTHEAKIS, L C ET AL: An <i>in vitro</i> polysome display system for identifying ligands from very large peptide libraries; PROCEEDINGS, THE NATIONAL ACADEMY OF SCIENCES OF THE USA, Vol. 91, Pages 9022-9026 (September, 1994)
	HANES, J ET AL: Comparison of <i>Escherichia coli</i> and rabbit reticulocyte ribosome display systems; FEDERATION OF EUROPEAN BIOCHEMICAL SOCIETIES, Letters 450, Pages 105-110 (1999)
	ROBERTS, R W and SZOSTAK, J W: RNA-peptide fusions for the <i>in vitro</i> selection of peptides and proteins, PROCEEDINGS, THE NATIONAL ACADEMY OF SCIENCES OF THE USA, Vol. 94, Pages 12297-12302 (November, 1997)
	LUTZ, J ET AL: CURRENT OPINION IN BIOTECHNOLOGY, Vol. 9, Pages 534-548 (1998)
	ROBERTS, R W: CURRENT OPINION IN CHEMICAL BIOLOGY, Vol. 3, Pages 268-273 (1999)
	NORD, K ET AL: PROTEIN ENGINEERING, Vol. 8, Issue 6, Pages 601-608 (1995).
	NORD, K ET AL: NATURE BIOTECHNOLOGY, Vol. 15, Pages 772-777 (August, 1997)
	RÜTHER, U: NUCLEIC ACIDS RESEARCH, Vol. 10, No. 19, Pages 5765-5772 (1982)
	NYGREN, P-Å ET AL: JOURNAL OF MOLECULAR RECOGNITION, Vol. 1, No. 2, Pages 69-74 (1988)
	CAROTHERS, A M ET AL: BIOTECHNIQUES, Vol. 7, No.5, Pages 494-499 (1989)
	SAVOLAINEN, P ET AL: SOCIETY FOR MOLECULAR BIOLOGY AND EVOLUTION, Vol. 17, No. 4 Pages 474-488 (2000)

EXAMINER:

DATE CONSIDERED:

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\15623\5\402745.1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT 		ATTY. DOCKET NO. 10230-100		SERIAL NO. 10/031,910		
		APPLICANT: PER-ÅKE NYGREN, MATHIAS UHLÉN and OLOF NORD				
		FILING DATE: January 17, 2002		GROUP:		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROP.
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
	HOPMAN, A H N ET AL: THE JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY, Vol. 46, No. 6, Pages 771-777 (1998).					
	LARSSON, M ET AL: PROTEIN EXPRESSION AND PURIFICATION, Vol. 7, Pages 447-457 (1996).					
	NILSSON, B ET AL: PROTEIN ENGINEERING, Vol. 1, No. 2, Pages 107-113 (1987).					
	GUNNERIUSSEN, E ET AL: APPLIED AND ENVIRONMENTAL MICROBIOLOGY, Vol. 65, No. 9, Pages 4134-4140 (September, 1999).					
	TAWFIK, D S and GRIFFITHS, A D: NATURE BIOTECHNOLOGY, Vol. 16, Pages 652-656 (July, 1998).					
	HANES, J and PLÜCKTHUN, A: <i>In vitro</i> selection and evolution of functional proteins by using ribosome display; PROCEEDINGS, THE NATIONAL ACADEMY OF SCIENCES OF THE USA, Vol. 94, Pages 4937-4942 (May, 1997).					
	DOI, N and YANAGAWA, H: FEDERATION OF EUROPEAN BIOCHEMICAL SOCIETIES, Letters 457, Pages 227-230 (1999).					
EXAMINER:			DATE CONSIDERED:			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. \15623\5\402745.1						